

ABSTRACT

A porous silicon carbide sinter having superior thermal uniformity, thermal response, and shape stability. The
5 porous sinter is formed by silicon carbide crystals (21,
22), and the structure formed by the silicon carbide
crystals includes opened pores (23). The silicon carbide
crystals have an average grain diameter of $20\mu\text{m}$ or greater,
a porosity of 40% or less, and a thermal conductivity of
10 $80\text{W/m}\cdot\text{K}$ or more.